kM3000 - Manual Noise Generators

Manual Amplitude Adjustable Noise generators covering frequencies from 1Mhz to 26GHz

Applications Include:

- BER Testing (Eb/No, C/N, SNR)
- Jamming
- Jitter tolerance testing
- GPS receiver testing
- EMI testing
- System and component test

kTB Manual Noise Generator

The kM3000 noise generators offer a convenient, economical, and rugged solution for a wide range of noise testing applications. Designed for both benchtop use and rack-mounted test stations, these instruments are ideal for any setup requiring reliable noise generation across a frequency range of 1 MHz to 26.5 GHz.

Featuring manual control via a front-panel rotary attenuator, the kM3000 is simple to operate and helps reduce test setup time. Each unit includes a precision noise source that delivers repeatable, symmetrical white Gaussian noise, integrated with an amplifier, attenuator, and power supply.

Typical applications include:

BER Testing (Eb/No, C/N, SNR), Jamming, Jitter Tolerance Testing, GPS Receiver Testing, EMI Testing, and System & Component Validation amongst others.
Custom configurations are available to meet specific customer requirements.
Please contact the factory for pricing and availability.

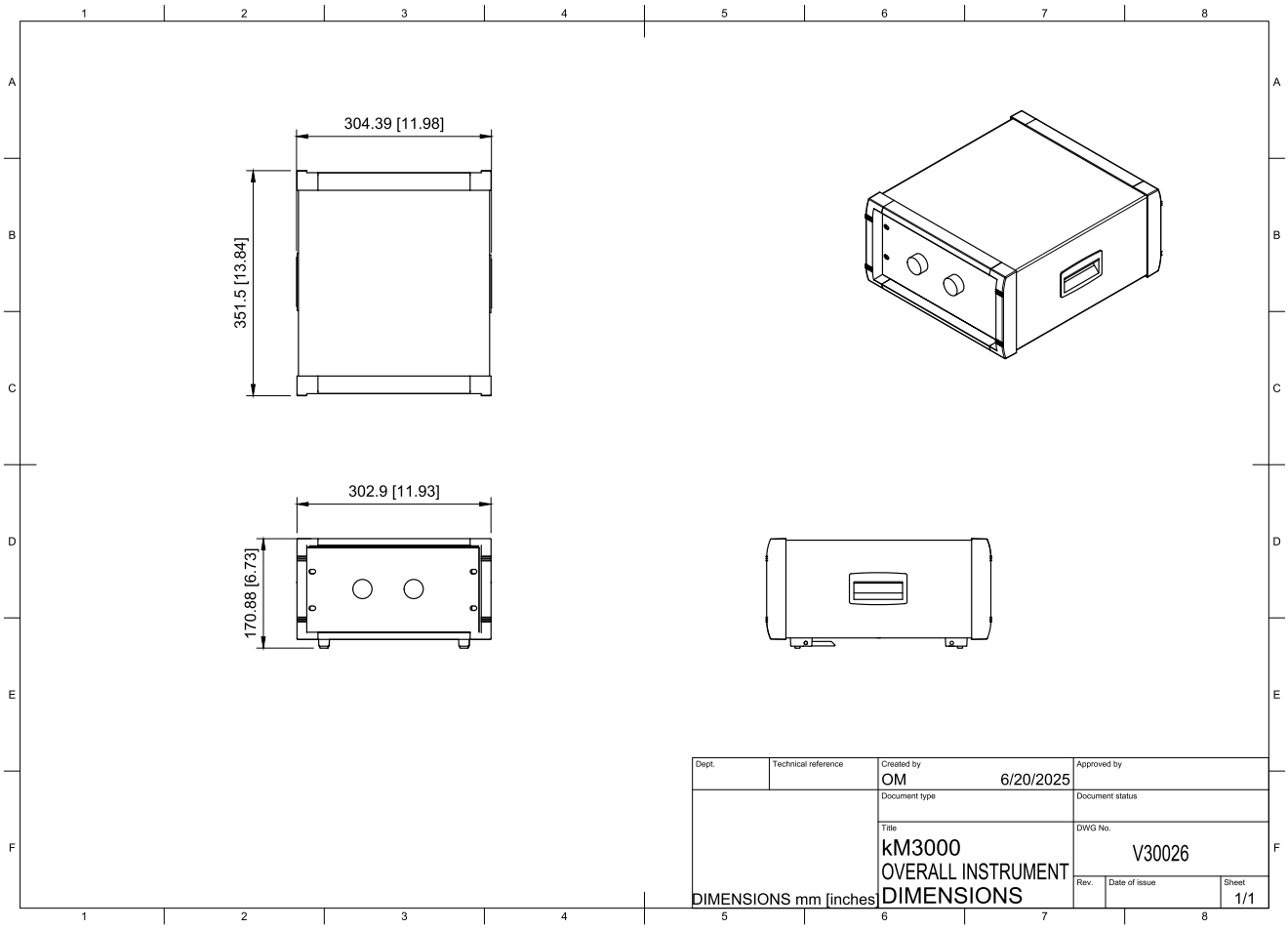
General Specifications

- Output White Gaussian noise
- Attenuator range 0 to 10 dB in 1 dB steps
- Impedance 50 Ohms • Typical VSWR 1.5:1
- Standard connector SMA female
- Power 115/220 VAC, 50/60 Hz
- Operating temperature -10° to + 65°C

Options

- **kM-B** BNC RF connectors
- **kM-N** Type N RF connector
- **kM–C** Signal Combiner, to combine the noise to a user applied signal.
- **kM-P** Custom output noise power (e.g. kM-P+10 : custom power +10dBm)

Model	Frequency	Power	Flatness	Spectral Power	Noise Attenuation
kM3101	1MHz to 1GHz	0dBm	+/- 2.5dB	-90dBm/Hz	100dB in 0.1dB steps
kM3102	10MHz to 2GHz	0dBm	+/- 2.5dB	-93dBm/Hz	100dB in 0.1dB steps
kM3103	10MHz to 3GHz	0dBm	+/- 2.5dB	-95dBm/Hz	100dB in 0.1dB steps
kM3106	10MHz to 6GHz	-10dBm	+/- 2.5dB	-107dBm/Hz	80dB in 0.1dB steps
kM3110	10MHz to 10GHz	-10dBm	+/- 3.5dB	-110dBm/Hz	60dB in 0.1dB steps
kM3218	2GHz to 18GHz	-10dBm	+/- 2.5dB	-112dBm/Hz	60dB in 0.1dB steps
kM3226	2GHz to 26.5GHz	-20dBm	+/- 3dB	-124dBm/Hz	60dB in 0.1dB steps



kM 3000 Dimensions

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